

STRACT

a communication system having a router device for transferring voice information between a first network and a second network. The router device is coupled to a third network for performing one of a first operation on information being transferred from the first network to the second network and a second operation on information being transferred from the second network to the first network. The router device includes a Digital Signal Processor (DSP) for performing the first operation on a signal carrying a telephone conversation generated by a first network to convert the analog telephone signal to a digital telephone signal for transmission to the second network using a first type of codec to using a second type of codec to maintain the quality of the voice information while transferring the voice information to the second network yet avoiding substantial distortion of the voice information.

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